## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization

International Bureau



## ) (1880 BUILDER IN BORNE 1880 BERN BEIDE BUILE EIN ER ALDER BEWEI BORNE BERD BUIL BEIDE BUIL BERDE BUIL BERD B

(43) International Publication Date 30 June 2005 (30.06.2005)

PCT

(10) International Publication Number WO 2005/059085 A2

(51) International Patent Classification7:

C12M 1/00

(21) International Application Number:

PCT/EP2004/053411

(22) International Filing Date:

13 December 2004 (13.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03/51059

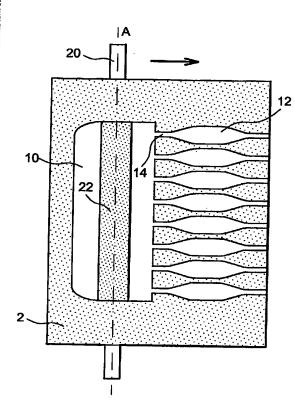
15 December 2003 (15.12.2003) FR

(71) Applicants (for all designated States except US): COM-MISSARIAT A L'ENERGIE ATOMIQUE [FR/FR]; 31-33, rue de la Fédération, F-75752 Paris 15ème (FR). BIOMERIEUX SA [FR/FR]; Chemin de l'Orme, F-69280 Marcy L'Etoile (FR). (72) Inventors; and

- (75) Inventors/Applicants (for US only): CAMPAGNOLO, Raymond [FR/FR]; 72, rue des Eaux Claires, F-38100 Grenoble (FR). JEANDEY, Christian [FR/FR]; 15, chemin Fiancey Le Muret, F-38120 Saint-Egreve (FR). GINOT, Frédéric [FR/FR]; 32, rue Casimir Brenier, F-38120 Saint-Egreve (FR). POUTEAU, Patrick [FR/FR]; 10 allée Château Corbeau, F-38240 Meylan (FR).
- (74) Agent: POULIN, Gérard; Brevatome, 3, rue du Docteur Lancereaux, F-75008 Paris (FR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

[Continued on next page]

(54) Title: METHOD AND DEVICE FOR DIVISION OF A BIOLOGICAL SAMPLE BY MAGNETIC EFFECT



(57) Abstract: A method for dividing an analyte present in a solution and which is fixed on magnetic particles, is disclosed. It comprises sedimentation of the magnetic particles together with the separation into a plurality of residues. One of the preferred embodiments relates to: the formation of at least a residue (22, 30) of magnetic particles in a first receptacle (10); the displacement of the residue(s) towards a. plurality of second receptacles (12), preferably by relative translation of a magnetic system (20, 24); the second receptacle(s) (12) being connected to the first receptacle (10) through a fluid channel (14). Devices to be used in these methods and systems for implementing the same are also disclosed.